

20031014.qrp v03_n073.qrl.20031014

Date: Tue, 14 Oct 2003 19:03:13 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3073

QRP-L Digest 3073

Topics covered in this issue include:

- 1) [159309] Re: Slinkys---was QRP-L digest 3070
by "Jeff Imel" <jeffimel@hotmail.com>
- 2) [159310] Re: tick 4
by "John J. McDonough" <wb8rcr@arrl.net>
- 3) [159311] Hunting Slinkys
by kenneth hoglund <hoglund@wfu.edu>
- 4) [159312] Trade???
- by "john gabbard" <johngabbard@usintouch.com>
- 5) [159313] Re: 1/2 wave antenna failure
by Steve Yates <aa5tb@arrl.net>
- 6) [159314] RE: Slinkys---was QRP-L digest 3070
by "Jason Milldrum" <jason@recursiv.com>
- 7) [159315] Re: [RE: Slinkys---was QRP-L digest 3070]
by Michael Goins <mgoins@usa.net>
- 8) [159316] Wanted: QRP Watt Meter
by "Paul Womble" <pwomble@earthlink.net>
- 9) [159317] TRANSMATCH (was 1/2 wave)
by ARDUJENSKI@aol.com
- 10) [159318] qrp dx
by "Walt Amos" <waltk8cvamosqrp@gbronline.com>
- 11) [159319] Re: qrp dx
by "john_k7fd" <john_k7fd@cablespeed.com>
- 12) [159320] Adjusting Couplers to End-Fed Halfwaves
by Steve Yates <aa5tb@arrl.net>
- 13) [159321] HM-9 info request
by k1nun@netscape.net
- 14) [159322] Gel Cell charger circuit
by ARDUJENSKI@aol.com
- 15) [159323] Speaking of Half-Wave Antennas,....?
by "Dennis Payton" <dpayton@fwi.com>
- 16) [159324] Re: Slinkys---was QRP-L digest 3070
by Donald E Sanders <w4bws@juno.com>
- 17) [159325] Thanks for help with StepIR vertical
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 18) [159326] Nice articles on random wire end fed antennas
by ARDUJENSKI@aol.com
- 19) [159327] Michigan QRP Net Tonight

by kwiike@gdls.com

20) [159328] Re: Adjusting Couplers to End-Fed Halfwaves (Prof. Arnaldo Coro Antich)
by Steve Yates <aa5tb@arrl.net>

21) [159329] Re: tick 4
by "philip wilcox" <pwilcox6042@wideopenwest.com>

22) [159330] Re: qrp dx
by Lloyd Lachow <llachow@yahoo.com>

23) [159331] Re: Wanted: QRP Watt Meter
by "Joe Roof" <jroof@mindspring.com>

24) [159332] Fall NJQRP Homebrewer Sprint - Logs Received
by "Ken Newman" <n2cq@dandy.net>

25) [159333] Ten Tec 1054 Regen Comments?
by Mark Prather <wb9hfk@yahoo.com>

26) [159334] QST: What's Wrong With Our Present Receivers?
by "Sverre Holm" <la3za@qsl.net>

27) [159335] Help Identify a W6AAQ "thing"
by jdolson@iserv.net

28) [159336] NEQRP SSB NET TONITE 07:30PM EDST 7.288Mhz +- 5Khz
by "Ron Pfeiffer" <n1zsw@hotmail.com>

29) [159337] Re: QST: What's Wrong With Our Present Receivers?
by w9ya <w9ya@arrl.net>

30) [159338] Re: Help Identify a W6AAQ "thing"
by "Howard Kraus" <K2UD@adelphia.net>

31) [159339] Finding a "real" slinky...Thanks for all the replies!
by "Dean-K2WW" <nr2v@northnet.org>

32) [159340] [FS] ZM-2 -- Modified
by Chuck Carpenter <w5usj@9plus.net>

33) [159341] Re: Help Identify a W6AAQ "thing"
by "philip wilcox" <pwilcox6042@wideopenwest.com>

34) [159342] Re: Wanted: QRP Watt Meter
by "Doug Hendricks" <ki6ds@dpol.net>

35) [159343] Re: tick 4
by "John J. McDonough" <wb8rcr@arrl.net>

36) [159344] RE: QST: What's Wrong With Our Present Receivers?
by "Sverre Holm" <la3za@qsl.net>

37) [159345] Re: Help Identify a W6AAQ "thing"
by "John Sielke" <jsielke@pobox.com>

38) [159346] [SOLD] [FS] ZM-2 -- Modified
by Chuck Carpenter <w5usj@9plus.net>

39) [159347] KX1 Manual uploaded to Elecraft web page
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>

40) [159348] QRPacificon Info, Even More!!
by "Doug Hendricks" <ki6ds@dpol.net>

41) [159349] Re: Need to buy a 20 meter rig and quickly get it shipped to Tasmania.
AL7FS will pay.
by Jim Larsen <JimLarsen2002@alaska.net>

- 42) [159350] Re: Wanted: QRP Watt Meter
by "Jason Hsu" <jhs001@heronetwork.com>
43) [159351] Re: Thanks for help with StepIR vertical
by Bob Nielsen <nielsen@oz.net>
44) [159352] RE: Help Identify a W6AAQ "thing"
by Mark Schoonover <schoon@amgt.com>

Date: Mon, 13 Oct 2003 18:00:06 -0500
From: "Jeff Imel" <jeffimel@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [159309] Re: Slinkys---was QRP-L digest 3070
Message-ID: <BAY9-DAV583uS7sBdxk00001ec7@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here in the midwest, "Slinkys" can be found at Toys-R-Us for \$1.50 each.

Jeff
KB9ZUR

----- Original Message -----

From: "Dean-K2WW" <nir2v@northnet.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, October 13, 2003 4:24 PM
Subject: Slinkys---was QRP-L digest 3070

> Where can I get "slinkys" that aren't made out of plastic? That's all
> I've been able to find.

> 72,
> Dean K2WW/4

>
>
>
>
>
> Mis-guided NYer in SFla
>

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf
> Of Kenneth Cooperstein
> Sent: Sunday, October 12, 2003 9:59 AM
> To: Low Power Amateur Radio Discussion

> Subject: Re: QRP-L digest 3070
>
> "R Mason" <lostmessages@comcast.net>:
>
> Therefore, I'm looking for a new option for a motel room antenna
> system.
> I've seen the Cliffdweller II (2 slinkies with insulators and a
> connector
> in a dipole configuration) on ebay a lot. Other than the fact that
> it
> seems morally wrong to try to feed something like that with
> unbalanced line
> (as it is designed to be.... S0-239... etc.), does anyone have any
> comments on the thing?
>
>
> I couldn't get decent performance out of the "CliffDweller" slinky and
> sold it a week after I bought it. Theoretically, you can find a length
> that makes it resonant on most frequencies, but I couldn't. Also, who
> wants to be bothered by changing the antenna every time you move a few
> MHz?
>
> Instead, I made a 40M double extended Zepp slinky, fed with 300 ohm
> twinlead, and used a tuner. Each slinky consists of 1.5 standard
> slinkies clipped and soldered. The center connector is a small
> sprinkler piping "T". It tunes to SWR=1.0 from 80 to 10. And though
> resonant nowhere else on ham HF, it is resonant on 60M and I had a few
> QSO's there.
>
> My ARC put it into service on Field Day to get our solar QRP points on
> 40M CW.
>
> It is a little bulky when packed. You could consider substituting a
> greater number of Slinky Jrs. Or you can pack goodies inside the
> slinkies and use the space.
>
> Ken KC2JDY
>
>
>
>

Date: Mon, 13 Oct 2003 18:59:23 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [159310] Re: tick 4

Message-ID: <002601c391df\$36be94e0\$080044c0@BrianBoru>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My experience (and I haven't done a really good study) is that the TiCK 2 is amazingly light on power consumption. Seems like one of those lithium cells will power the thing for a year, maybe even years. The TiCK 4, though, does seem to be a different animal in that respect. If I leave my little TiCK 4 keyer on, I'm going to be replacing the batteries next time I use it (which admittedly, isn't all that often since my main radios all have internal keyers).

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Rick McKee" <kc8aon@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, October 13, 2003 5:57 PM
Subject: Re: tick 4

> I think if you eliminate the voltage regulator and feed it straight with
> a 3 volt lithium battery or a couple of AAA's or AA alkalines, you can
> just leave it on all the time. It goes into a sleep mode when not in
> use, but the voltage regulator if used is what eats up the battery life !
>

Date: Mon, 13 Oct 2003 19:33:16 -0400
From: kenneth hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [159311] Hunting Slinkys
Message-ID: <3F8B363C.1070609@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

See if there is a Cracker Barrel nearby. Their "country store" operation has several old-timey toys including genuine, 100% stainless steel, slinkys. Last time I saw them, price was about \$4.

Now, where can we find the brass variety?

73

Ken KG4FGC

Date: Mon, 13 Oct 2003 16:53:14 -0700
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [159312] Trade???
Message-ID: <003c01c391e5\$2aff7970\$9f811c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dont laugh but I would like to trade a good running HW9 and PSA9 towards an unbuilt K2 kit. Partially built ok thanks 73's John KF70M Nevada High desert...

Date: Mon, 13 Oct 2003 19:14:36 -0500
From: Steve Yates <aa5tb@arrl.net>
To: qrp-1@Lehigh.EDU
Subject: [159313] Re: 1/2 wave antenna failure
Message-ID: <200310131914.37102.aa5tb@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

My experiences echo those of Lew's.

If the end-fed halfwave antenna is truly an electrical halfwave then very little "counterpoise" is needed. If you find that the tuning is effected by you touching the rig, etc., then the antenna is off resonance. When the high impedance coupler is looking into a resistive load at the end of a halfwave length then very little current will flow through the coupler and therefore only a few feet "counterpoise" is required. I find that the parasitic wiring associated with the station to be plenty of counterpoise so I usually don't use any extra. Using a full 1/4 wavelength of wire is a waste of wire. But then again it shouldn't have any ill effects so if it makes you feel any better then go for it.

I've read several reports of folks needing to add a 1/4 wave of wire for a counterpoise to make things work and in my attempts to duplicate their experiences I could only do so by intentionally making the antenna non-resonant. It must be remembered that proximity to the ground, etc. may change the electrical length. I usually experiment with the setup in my backyard before taking things to the field. In fact, I've made marks on my coupler to indicate whether the antenna is too short, too long, or just right by where resonance occurs with the capacitor. This would make it easy to troubleshoot in the field but I have yet to need to.

By the way, over the last several years the end-fed halfwave antenna has been my main portable antenna (even my main antenna for a while) so I am well aware of how they work so please don't come back and tell me the antenna needs a 1/4 wavelength of wire to "push against" ;-). At a recent club meeting I noticed an article in the ARCI newsletter (I don't presently subscribe) that summed up the operation of an end-fed halfwave antenna better than I ever could. Unfortunately, I can't remember the author.

73,
Steve Yates - AA5TB

<http://www.qsl.net/aa5tb/efha.html>

Date: Mon, 13 Oct 2003 17:37:20 -0700
From: "Jason Milldrum" <jason@recursiv.com>
To: <qrp-l@lehigh.edu>
Subject: [159314] RE: Slinkys---was QRP-L digest 3070
Message-ID: <F5CAE451FAD2F74E8DBD6D54C5BEBB9D153D@amber.recursiv.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: quoted-printable
content-class: urn:content-classes:message

Try <http://www.slinkytoys.com/> to order on-line.

-----Original Message-----
From: Dean-K2WW [mailto:nr2v@northnet.org]=20
Sent: Monday, October 13, 2003 2:25 PM
To: Low Power Amateur Radio Discussion
Subject: Slinkys---was QRP-L digest 3070

Where can I get "slinkys" that aren't made out of plastic? That's all I've been able to find.

72,

Dean K2WW/4 =20

Mis-guided NYer in SFla

Date: Mon, 13 Oct 2003 20:39:58 -0500

From: Michael Goins <mgoins@usa.net>

To: <jason@recursiv.com>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [159315] Re: [RE: Slinkys---was QRP-L digest 3070]

Message-ID: <317HJNBn76464S13.1066095598@uwdvg013.cms.usa.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: quoted-printable

"Jason Millldrum" <jason@recursiv.com> wrote:

Try <http://www.slinkytoys.com/> to order on-line.

They also have brass slinkys for \$16.50 each, and gold-plated ones for \$1=00.

72,

mike

K5WMG

=3D=

=3D=

=3D=

Formerly WB5YJX =

QRP-ARCI 3922 (former managing editor, QRP Quarterly), Houston QRP, AMQRP=, =

SOC 54, Flying Pig 447, QRP-L 2130, Adventure Radio 810, Alaska QRP 514, =Iowa

QRPC #163, QCWA 30857, RSGB 19119

=3D=
=3D=
=3D=3D=3D=3D=3D=3D=3D=3D=3D

One watt, all the time: Wilderness Sierra-SWL-30+-RockMite 40-Kenwood 140=

Date: Mon, 13 Oct 2003 21:56:26 -0400
From: "Paul Womble" <pwomble@earthlink.net>
To: "'all Pigs'" <fpqrp-l@fpqrp.com>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [159316] Wanted: QRP Watt Meter
Message-ID: <000001c391f6\$62073e10\$6401a8c0@house>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Anyone have a working watt meter they would like to part with?

All I really care about is being able to measure forward power up to 5 watts.

Paul K4FB

Date: Mon, 13 Oct 2003 22:06:34 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [159317] TRANSMATCH (was 1/2 wave)
Message-ID: <19f.1b9b488c.2cbcb42a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Rather than a hit-or-miss approach to see if your ANTENNA TRANSMATCH (I dislike the term tuner) you can run a simple program to find out expected antenna impedance values. Knowing the limit of your respective TRANSMATCH you will know if matching is possible.

Most mobile transmatch units are generally in the 300 ohm max range, auto tuners for base stations 800-1000 ohms and various manual transmatch units would

be about double this depending upon the type. Be wary of ads that state good for 160-10m---for what type of antenna or range of impedances?

www.btinternet.com/~g4fgq.regp/page3.html#S301"

For end fed wires use the program ENFEED. You can play with values to get desired impedance values. Also it will give you L and C needed to match antenna.

Also you can play around with radials to see the affect. Reg G4FGQ is very helpful if you have questions

Many of you are probably doing this now so please excuse if this is basic info

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Mon, 13 Oct 2003 22:31:14 -0400
From: "Walt Amos" <waltk8cvamosqrp@gbronline.com>
To: "qrp-l Messages" <qrp-l@lehigh.edu>
Subject: [159318] qrp dx
Message-ID: <000801c391fb\$3e7e76c0\$39ecbfcf@waltamos>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

8p6bx now on 7.040.23

4w Barbados

Ron

Walt K8CV , Royal Oak, MI.

Date: Mon, 13 Oct 2003 19:50:59 -0700
From: "john_k7fd" <john_k7fd@cablespeed.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [159319] Re: qrp dx
Message-ID: <001901c391fd\$ff989910\$3801a8c0@codeking>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

40m has been exceptionally hot. Last night at midnight, worked JA1NUT w/ K2
5 watts and 40m loop...got a 549.

John K7FD

From: "Walt Amos"
Subject: qrp dx

> 8p6bx now on 7.040.23
>
> 4w Barbados
>
> Ron
>
> Walt K8CV , Royal Oak, MI.

Date: Mon, 13 Oct 2003 22:10:11 -0500
From: Steve Yates <aa5tb@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [159320] Adjusting Couplers to End-Fed Halfwaves
Message-ID: <200310132210.11271.aa5tb@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

When I construct my end-fed halfwave couplers I design them by formula to get them in the "ball park" and then I attach a 5k ohm resistance across the output winding of the parallel resonant circuit to see if it can convert it to 50 ohms okay. As long as the inductor/capacitor combination can be tuned to a SWR minimum at the desired frequency then the parallel tuned circuit values are okay. If the SWR isn't 1:1 then the link coil on the primary needs to be adjusted one turn at a time. I usually find between 1 and 3 turns to be sufficient. Some folks simply tap the main coil at a point of lowest SWR but in my setups this usually isn't very convenient.

Once a point is found where a 1:1 SWR can be obtained with a 5k ohm resistor (two 10k's in parallel) then you shouldn't have any problems with a halfwave wire. Be sure to mark the point of resonance on the tuning capacitor when

using the resistor. If the antenna doesn't tune up at the same point then it is either too long or too short.

This same trick should let you know if your favorite tuner will handle an end-fed halfwave or not. The only experience I've had with Elecraft tuners was when I borrowed a friend's K1 with a built in tuner and it had no problems loading up an end-fed halfwave on 20m.

73,
Steve Yates - AA5TB

Date: Mon, 13 Oct 2003 23:27:58 -0400
From: k1nun@netscape.net
To: qrp-1@lehigh.edu
Subject: [159321] HM-9 info request
Message-ID: <7BB34D21.68D6E6F7.00012A9D@netscape.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Is there an online HM-9 QRP watt meter manual, please? Or does someone have a copy they can send? Online responses to the first question invited, offline for the second.

Thanks and 72,
ERIC
K1NUN

McAfee VirusScan Online from the Netscape Network.
Comprehensive protection for your entire computer. Get your free trial today!
<http://channels.netscape.com/ns/computing/mcafee/index.jsp?promo=393397>

Get AOL Instant Messenger 5.1 free of charge. Download Now!
<http://aim.aol.com/aimnew/Aim/register.adp?promo=380455>

Date: Mon, 13 Oct 2003 23:28:54 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [159322] Gel Cell charger circuit
Message-ID: <1df.118046db.2cbcc776@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Thought I would pass along

www.rason.org/Projects/gelcell/gelcell.htm

Alan KB7MBI in Woodinville, WA

FISTS 5702 / ARS / Proud member of ARRL

--- --- --- --- DIT DIT

Date: Mon, 13 Oct 2003 22:59:40 -0500

From: "Dennis Payton" <dpayton@fwi.com>

To: <qrp-1@lehigh.edu>

Subject: [159323] Speaking of Half-Wave Antennas,....?

Message-ID: <005901c39207\$988d4f90\$a0a854d1@6300us>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

A little over a year ago, I posted some test results from using different tuners to tune end-fed half wave antennas. A couple fellows on the list directed me to their websites, where they had some very interesting stuff on using end-fed half wave antennas, but a short time later I had serious computer problems and lost everything. If one of those fellows may have been you, would you either give me your site address again or share it with the list?

Thanks!

Denny Payton, N9JXY

Auburn, IN

Date: Tue, 14 Oct 2003 01:28:54 -0400

From: Donald E Sanders <w4bws@juno.com>

To: nr2v@northnet.org

Cc: qrp-1@Lehigh.EDU

Subject: [159324] Re: Slinkys---was QRP-L digest 3070

Message-ID: <20031014.013200.-812371.0.w4bws@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I found mine at Walmart

Don W4BWS

On Mon, 13 Oct 2003 17:24:59 -0400 "Dean-K2WW" <nr2v@northnet.org>
writes:

> Where can I get "slinkys" that aren't made out of plastic? That's

> all

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> Dean K2WW/4

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> Mis-guided NYer in SFla

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> -----Original Message-----

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> Behalf

> Of Kenneth Cooperstein

> Sent: Sunday, October 12, 2003 9:59 AM

> To: Low Power Amateur Radio Discussion

> Subject: Re: QRP-L digest 3070

>

> "R Mason" <lostmessages@comcast.net>:

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> (as it is designed to be.... S0-239... etc.), does anyone have

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>
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>
> greater number of Slinky Jrs. Or you can pack goodies inside the
> slinkies and use the space.
>
> Ken KC2JDY
>
>
>
>
>
>

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Tue, 14 Oct 2003 0:49:37 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [159325] Thanks for help with StepIR vertical
Message-ID: <4120031021454937409@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Wow, the response has been overwhelming and most useful. I had planned to thank everyone with a personal e-mail, but over a hundred responses have been received, and I lost out! Still have not quite decided what to do about a permanent antenna, but will do so in a few days. Dr. Megacycle lives just 10 miles west of my QTH. He has offered to help with the antenna design and installation. Wow!

In the meantime, I have been using a 90' length of Radio Shack hookup wire. One end hooks directly into my LDG QRP tuner, while the other end sort of slopes up close to the top of a KANGA 33' fibre glass mast. I also use a couple of radials, one 66' and the other 17'. Gotta tell ya, this is a gangbuster antenna. Today I was working DX on 15 and busting pileups with my K2. Makes me really excited to think what it will be like with a better, more permanent antenna.

Anyway, thanks again everyone for your time and assistance. Hope to run into you on the air sometime soon.

73,
--Doc/K0EVZ

Date: Tue, 14 Oct 2003 01:51:56 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [159326] Nice articles on random wire end fed antennas
Message-ID: <1ee.1160c758.2cbce8fc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

This has some good information discussing in part 1/2wl and random wire antenna and a compromise length:
www.qsl.net/g3yrc/endfed%20wire.htm

Also in Moxon's book HF Antennas for All Locations (p 182) indicates that in using end fed antennas to avoid lengths whcih are:

--near 1/4wl
--odd multiples of 1/4wl

--or less than 1/4w1

He recommends 133-140ft for 80-10m ops.

Here is some additional reading:

www.qsl.net/aa5tb/efha.html

www.g3ycc.karoo.net/ants.htm

Also see www.elecrafter.com/ in the email list under antenna topics (END FED)

Alan KB7MBI in Woodinville, WA

FISTS 5702 / ARS / Proud member of ARRL

--- --- --- --- DIT DIT

Date: Tue, 14 Oct 2003 06:57:16 -0400

From: kwike@gdls.com

To: qrp-1@Lehigh.EDU

Subject: [159327] Michigan QRP Net Tonight

Message-ID: <0FBB4D83CD.86AF0799-0N85256DBF.003C199E@gdls.com>

MIME-Version: 1.0

Content-type: text/plain; charset=us-ascii

We had five check-ins last week. Good strong signals all around.

S R

K8CV 599 ROYAL OAK MI WALT

WA8BXN 599 599 CLEVELAND OH MIKE

WB4X NC CHAS

KA8ONW 599 599 MASON MI MARK

KI8DU 579 569 HUNTINGTON WV ROGER

The Michigan QRP net meets each Tuesday night at 9:00 PM Eastern time on 3.535 MHz. All hams are welcome.

Ed AB8DF Waterford, MI

Date: Tue, 14 Oct 2003 06:44:07 -0500

From: Steve Yates <aa5tb@arrl.net>

To: qrp-1@Lehigh.EDU

Subject: [159328] Re: Adjusting Couplers to End-Fed Halfwaves (Prof. Arnaldo Coro Antich)

Message-ID: <200310140644.07820.aa5tb@arrl.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

I received a very good reply from "Prof. Arnaldo Coro Antich" <coro@enet.cu> and he requested that I post this to QRP-L for him, so here it is...

"Dear amigo Steve:
That's a very neat way of testing the impedance transformation as regards to a purely resistive load.....
You may want to also play with the REACTANCES by placing capacitors or inductors at the network points where the antenna is going to be located. The keep in mind that it would also be nice to add some "ground effect" and you will complete a nice simulation of the actual range of your antenna matching unit !!! As the frequency goes higher, say above 20 MHz the end fed antennas become more difficult to play with according to my own findings... Anyway, the classic way of feeding the end fed antennas involved adding or subtracting small lengths in order to improve the chances of a good match with the existing antenna matching unit (instead of redesigning the antenna matching unit) You may want to see an article I wrote for CQ Radio Amateur Magazine, in which I challenge the name of "antenna tuner" !!! and agree with the E.F. Johnson Co. more appropriate name of MATCHBOX !!!
Keep up the good work and please post this one on the QRP-L for me, as for some odd reason my postings don't get through anymore, although I do receive them all here !!!

72 and DX
YOur friend in Havana
Arnie Coro
C02KK

P.S. Try to match an approx 16 feet length of wire on 10 meters as an end fed vertical and you will see how critical it may be regarding the matching network itself..."

Date: Tue, 14 Oct 2003 08:34:39 -0400
From: "philip wilcox" <pwilcox6042@wideopenwest.com>
To: "John J. McDonough" <wb8rcr@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [159329] Re: tick 4
Message-ID: <000b01c3924f\$8b278300\$f33a2f45@wowway.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I believe the Multi Pig + transceiver uses one of these ICs.
As I remember I used three 1 1/2 volt batteries to make 4.5 volts.
That was because between 4 and 5.5 volts would retain the memory and let the IC go to sleep between uses.

If 6 volts or more is applied the IC wants to say awake and uses up the battery quickly.

When the rig is turned on with 12 volts the keyer uses that to operate.

I am working from a poor memory here, but something like that works.

Phil

73, From Totus Porcus Columbus, Ohio EN801a
WB8ABE FP #61 MP - 12 MP + # - 12 QRP ARCI 11082
DIREKT VOM SCHREIBTISCH DES FLIEGENDEN SCHWEINS

----- Original Message -----

From: John J. McDonough <wb8rcr@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, October 13, 2003 6:59 PM
Subject: Re: tick 4

> My experience (and I haven't done a really good study) is that the TiCK 2 is

> amazingly light on power consumption. Seems like one of those lithium cells

> will power the thing for a year, maybe even years. The TiCK 4, though, does

> seem to be a different animal in that respect. If I leave my little TiCK 4

> keyer on, I'm going to be replacing the batteries next time I use it (which

> admittedly, isn't all that often since my main radios all have internal > keyers).

>

> 72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
> didileydadidah QRP-L #1446 Code Warriors #35

>

> ----- Original Message -----

> From: "Rick McKee" <kc8aon@juno.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Monday, October 13, 2003 5:57 PM
> Subject: Re: tick 4

>

>

> > I think if you eliminate the voltage regulator and feed it straight with
> > a 3 volt lithium battery or a couple of AAA's or AA alkalines, you can
> > just leave it on all the time. It goes into a sleep mode when not in
> > use, but the voltage regulator if used is what eats up the battery life
!
> >
>
>

Date: Tue, 14 Oct 2003 05:36:03 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [159330] Re: qrp dx
Message-ID: <20031014123603.90137.qmail@web41015.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- john_k7fd <john_k7fd@cablespeed.com> wrote:
> 40m has been exceptionally hot. Last night at
> midnight, worked JA1NUT w/ K2
> 5 watts and 40m loop...got a 549.
>

I worked Shin, JA1NUT, in 1990 from Colorado, as
N0K0X, and got a lovely QSL card. Then last year,
after returning to the hobby, when the bands were
improving about this time of year, and you could start
to hear some JAs on, I was trying to work one...and
worked Shin, again! Twelve years later. Just got his
card from the buro, the other day. He's still using
the same cards...he's a physician, a cellist, and a
ham radio "nut!" - so say his QSLs.

=====

73, 72 es oo, Lloyd, K3ESE - Reisterstown, Maryland
multiPIG+ #14 - K1 # 00379 - 20/40M Rock-Mites
Hunk o' Wahr - Begali Magnetic Classic Paddles
ARRL - ARS - QRParci - QCWA - FISTS #8774
FPQRP #476 - QRP-L - BORG #2
Fun = Skill / Power ! 8^D

Do you Yahoo!?

The New Yahoo! Shopping - with improved product search
<http://shopping.yahoo.com>

Date: Tue, 14 Oct 2003 08:45:18 -0400
From: "Joe Roof" <jroof@mindspring.com>
To: <qrp-1@lehigh.edu>
Subject: [159331] Re: Wanted: QRP Watt Meter
Message-ID: <001001c39251\$064223f0\$6401a8c0@joe>

Paul,
Check out the NoGaWatt kit at www.nogaqrp.org the meters are calibrated for 2 or 6 watts full scale. You can calibrate it with a RF probe if you don't have access to another accurate wattmeter. The instructions are on line also. \$20 plus \$2 shipping.

72

Joe, w4jhr

Date: Tue, 14 Oct 2003 09:22:27 -0400
From: "Ken Newman" <n2cq@dandy.net>
To: "List QRP-Canada" <qrp-canada@neale.gpfn.sk.ca>,
"K8NI Norm Into" <normk8ni@neo.rr.com>,
Subject: [159332] Fall NJQRP Homebrewer Sprint - Logs Received
Message-ID: <001001c39256\$ad3d14d0\$3fcb2d44@kensdell>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have received logs for the following stations for the Fall NJQRP Homebrewer Sprint.
Anyone else that enjoyed the sprint, please send in your log no matter how small, to

the below address or e-mail. Thanks!

Ken Newman
81 Holly Drive
Woodbury, NJ 08096
N2CQ@ARRL.NET

Received Logs:

VE3XT=

W2JEK*
K0FRP/4=
W5TA=
W0UFO*
WA1ZCB*
W2JLK*
N0TK*
W3DP*
W1PID=
K4UK=
AE4EC=
K1KID=
K2EKM=
K3ESE=
K5ZTY=
K8DDB=
KW4JS=
W0NTA=
N2CX=
N8VW=
N9NE=
W5KDJ=
WB7AEI=
WQ2RP=
= Via e-mail
* Via USPS

Date: Tue, 14 Oct 2003 06:52:23 -0700 (PDT)
From: Mark Prather <wb9hfk@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [159333] Ten Tec 1054 Regen Comments?
Message-ID: <20031014135223.8760.qmail@web41209.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I'm looking for a decent 'first kit' for my nephew. I found the Ten Tec 1054 Regen. I'd appreciate anyones comments on this kit...

73,

Mark

=====

Mark Prather - WB9HFK

Do you Yahoo!?
The New Yahoo! Shopping - with improved product search
<http://shopping.yahoo.com>

Date: Tue, 14 Oct 2003 15:53:14 +0200
From: "Sverre Holm" <la3za@qsl.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [159334] QST: What's Wrong With Our Present Receivers?
Message-ID: <001301c3925a\$849dec80\$8e00a8c0@Master>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Does anyone have a scanned copy of Byron Goodman, W1DX, "What's Wrong With Our Present Receivers?" January, 1957, QST, that they would care to share?

--
73,
Sverre

Sverre Holm, LA3ZA
www.qsl.net/la3za

Date: Tue, 14 Oct 2003 11:17:31 -0400 (EDT)
From: jdolson@iserv.net
To: qrp-l@Lehigh.EDU
Subject: [159335] Help Identify a W6AAQ "thing"
Message-ID: <8270.66.227.246.21.1066144651.squirrel@webmail.iserv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1

My dad (W8CWD/K8DDV) bought something at a swap that he though looks qrp, but I can't tell what the heck it is.

1. The circuit board is round, about 4" in diameter.
- 1b. It is mounted in a round tupperware container.

2. The board is nicely labeled with component locations.
3. The board has the callsign W6AAQ on it (Don Johnson of screwdriver fame).
- 3b. The center of the board is labeled "A&A #192"
4. There are two rather large relays.
5. There are three tuning caps (ceramic base, about 1"x1"x1/3"). One is labeled "75", one "40", and one "20".
6. There is one coax connector.
7. The only other "port" is what looks like a female microphone connector whose wires go to 8 different spots on the board.

I originally thought that it had something to do with his screwdriver antennas, but there is only one coax connector on the thing.

Any ideas?

Thanks!

Jim Dolson
wb8zbd

Date: Tue, 14 Oct 2003 11:30:15 -0400
From: "Ron Pfeiffer" <n1zsw@hotmail.com>
To: neqrp@jona1.net, qrp-1@Lehigh.EDU
Subject: [159336] NEQRP SSB NET TONITE 07:30PM EDST 7.288Mhz +- 5Khz
Message-ID: <Law9-F98qunL0yDc41W00004c3c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Tuesday: 07:30 PM EDST
7.288 Mhz plus/minus 5 Khz

Last weeks Check ins:

WA10HR	Ev	CT		
AJ1J	Joe	MA	IC706	longwire
W1AMF	Bob	CT	FT1000	Vertical
AB8DF	Ed	MI	Triton	Dipole
WB1HBE	John	MA	went from 5 (noise)	- 10watts (59 readable)
K1RC	John	MA		Zepp
WA8BXN	Mike	OH	K2	G5RV
N1VS	Vince	CT		
K8EJU	Larry	OH	PC-500	
WB3GCK	Craig	PA		

K3MAN George PA TS2000
VE3KQN Jim Canada

Come out with your microphone and say hello!

Have fun, Ron

Compare Cable, DSL or Satellite plans: As low as \$29.95.
<https://broadband.msn.com>

Date: Tue, 14 Oct 2003 11:05:03 -0500
From: w9ya <w9ya@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [159337] Re: QST: What's Wrong With Our Present Receivers?
Message-ID: <200310141105.03597.w9ya@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Hey Sverre;

I sent you the files, but your isp (easynet.nl) has blocked the mail for spurious reasons.

Sorry I cannot help.

Vy 72 om;

Bob
w9ya

On Tuesday 14 October 2003 08:53 am, Sverre Holm wrote:
> Does anyone have a scanned copy of Byron Goodman, W1DX, "What's Wrong
> With Our Present Receivers?" January, 1957, QST, that they would care to
> share?
>
> --
> 73,
> Sverre

>
> -----
> Sverre Holm, LA3ZA
> www.qsl.net/la3za

Date: Tue, 14 Oct 2003 12:05:05 -0400
From: "Howard Kraus" <K2UD@adelphia.net>
To: <jdolson@iserv.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [159338] Re: Help Identify a W6AAQ "thing"
Message-ID: <000f01c3926c\$ee9b8a40\$9f131443@kntnny.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It is the input tuning board for his screwdriver antenna design. It was meant to be mounted in a cylindrical enclosure, very likely the cover for the coil assembly. Circuit Board Specialists also made this in rectangular form for mounting in a more traditional enclosure in the trunk area.

72

Howard Kraus, K2UD
----- Original Message -----
From: <jdolson@iserv.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, October 14, 2003 11:17 AM
Subject: Help Identify a W6AAQ "thing"

> My dad (W8CWD/K8DDV) bought something at a swap that he though looks qrp,
> but I can't tell what the heck it is.
>
> 1. The circuit board is round, about 4" in diameter.
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> labeled "75", one "40", and one "20".
> 6. There is one coax connector.
> 7. The only other "port" is what looks like a female microphone connector

> whose wires go to 8 different spots on the board.
>
> I originally thought that it had something to do with his screwdriver
> antennas, but there is only one coax connector on the thing.
>
> Any ideas?
>
> Thanks!
>
> Jim Dolson
> wb8zbd
>
>

Date: Tue, 14 Oct 2003 12:10:31 -0400
From: "Dean-K2WW" <nr2v@northnet.org>
To: <qrp-1@lehigh.edu>
Subject: [159339] Finding a "real" slinky...Thanks for all the replies!
Message-ID: <005801c3926d\$b14697b0\$03fea8c0@deanlaptop>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Google, why didn't I think of that...???
Duh.
Tnx agn
72/73
Dean K2WW/4

Mis-Guided/Placed NYer in SFla

Date: Tue, 14 Oct 2003 11:21:36 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-1@lehigh.edu, QRPp-I@yahoogroups.com
Subject: [159340] [FS] ZM-2 -- Modified
Message-ID: <3.0.2.32.20031014112136.0083aea0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This one is now surplus to me needs. (Have three other z-matchers!)

It is built in a metal box with the controls on the front and connections on the back.

It's not one of my better assembly jobs. The metal work is rather sloppy and the labels are writ-by-hand. (A shaky hand at that.) The modifications include a rewind toroid using a W6JJZ coil with two links for hi and low z. There is also an additional dpdt switch for the links. The wiring does show signs of my experiments to add the dual Z links but not really too bad.

It works fine and tunes all my various antennas including a random long wire -- all to less than 1.1:1 SWR.

Asking \$50 bucks -- shipped to any USPS address.

(The unbuilt ZM-2 is \$50.)

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

Date: Tue, 14 Oct 2003 12:38:04 -0400
From: "philip wilcox" <pwilcox6042@wideopenwest.com>
To: <jdolson@iserv.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [159341] Re: Help Identify a W6AAQ "thing"
Message-ID: <002d01c39271\$8c0fa0a0\$f33a2f45@wowway.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would suggest that you contact Don Johnson directly.

I met him two summers ago and he is a Super person.

If it is something he built you have a real keeper there.

Phil

73, From Totus Porcus Columbus, Ohio EN801a
WB8ABE FP #61 MP - 12 MP + # - 12 QRP ARCI 11082
DIREKT VOM SCHREIBTISCH DES FLIEGENDEN SCHWEINS

----- Original Message -----

From: <jdolson@iserv.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Tuesday, October 14, 2003 11:17 AM

Subject: Help Identify a W6AAQ "thing"

> My dad (W8CWD/K8DDV) bought something at a swap that he though looks qrp,
> but I can't tell what the heck it is.

>

> 1. The circuit board is round, about 4" in diameter.

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> whose wires go to 8 different spots on the board.

>

> I originally thought that it had something to do with his screwdriver
> antennas, but there is only one coax connector on the thing.

>

> Any ideas?

>

> Thanks!

>

> Jim Dolson

> wb8zbd

>

>

Date: Tue, 14 Oct 2003 09:40:13 -0700

From: "Doug Hendricks" <ki6ds@dpol.net>

To: <qrp-1@Lehigh.EDU>

Subject: [159342] Re: Wanted: QRP Watt Meter

Message-ID: <001b01c39271\$d76cd720\$4a0b0d0a@dph.dpol.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I agree with Joe, the NoGa Watt meter is an excellent kit and value for the dollar. You will have to package it in your own enclosure, but that is the fun of homebrewing. 72, Doug

Date: Tue, 14 Oct 2003 12:55:16 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [159343] Re: tick 4
Message-ID: <004f01c39273\$f14fa990\$080044c0@BrianBoru>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The TiCK 4 will retain it's parameter memories with no power applied. The Tick 1-3 will not.

Sadly, none of the SMT TiCK's contain non-volatile parameter storage. Last time I looked, there were no SMT PICs with EEPROM that fit the bill, so I suspect that's why.

None of the TiCKs will retain their message memory, however. I suspect that's because it's pretty tough to store the message in EEPROM while it's being loaded without degrading the performance so much that the keying is hard. I did this on one of my own projects, and it took a 20 MHz PIC to make it work, even then it was a little shaky. Not only were there no 20 MHz PICs when the first TiCK's came out, but they are considerably more power hungry than the slower models.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Tue, 14 Oct 2003 18:58:14 +0200
From: "Sverre Holm" <la3za@qsl.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [159344] RE: QST: What's Wrong With Our Present Receivers?
Message-ID: <001e01c39274\$5d1429d0\$8e00a8c0@Master>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Thanks, received!

Sverre

```
> -----Original Message-----
> From: Sverre Holm [mailto:la3za@qsl.net]
> Sent: 14. oktober 2003 15:53
> To: QRP-L (qrp-l@Lehigh.EDU)
> Subject: QST: What's Wrong With Our Present Receivers?
>
>
> Does anyone have a scanned copy of Byron Goodman, W1DX,
> "What's Wrong With Our Present Receivers?" January, 1957,
> QST, that they would care to share?
>
> --
> 73,
> Sverre
>
> -----
> Sverre Holm, LA3ZA
> www.qsl.net/la3za
>
>
```

```
-----
Date: Tue, 14 Oct 2003 13:26:47 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [159345] Re: Help Identify a W6AAQ "thing"
Message-ID: <3F8BF997.20557.DCEBB30@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body
```

Sounds very much like a base matcher for a mobile antenna. One of the ways to "fine-tune" a mobile antenna is to adjust it a little bit long, and tune out the reactance with a capacitor. Sounds like this has capacitors for the bands noted, which are then remotely switched through the mike jack.

Just a "slightly-educated" guess.

John W2AGN

Date: Tue, 14 Oct 2003 12:58:11 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu, QRPp-I@yahoogroups.com
Subject: [159346] [SOLD] [FS] ZM-2 -- Modified
Message-ID: <3.0.2.32.20031014125811.00847db0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It's SOLD... Thanks Doc.

This one is now surplus to my needs. (Have three other z-matchers!)

It is built in a metal box with the controls on the front and connections on the back.

It's not one of my better assembly jobs. The metal work is rather sloppy and the labels are writ-by-hand. (A shaky hand at that.) The modifications include a rewound toroid using a W6JJZ coil with two links for hi and low z. There is also an additional dpdt switch for the links. The wiring does show signs of my experiments to add the dual Z links but not really too bad.

It works fine and tunes all my various antennas including a random long wire -- all to less than 1.1:1 SWR.

Asking \$50 bucks -- shipped to any USPS address.

(The unbuilt ZM-2 is \$50.)

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

Date: Tue, 14 Oct 2003 11:01:33 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft List <elecraft@mailman.qth.net>, QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@groups1.vip.scd.yahoo.com>
Subject: [159347] KX1 Manual uploaded to Elecraft web page
Message-ID: <3F8C39FD.9020909@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

Hi,

We've just uploaded the KX1 manual to the Manual Download Page at:
<http://www.elecrafter.com>

73, Eric WA6HHQ

Date: Tue, 14 Oct 2003 11:02:11 -0700
From: "Doug Hendricks" <ki6ds@dpol.net>
To: <qrp-1@Lehigh.EDU>
Subject: [159348] QRPacificon Info, Even More!!
Message-ID: <002801c3927d\$4a67f4c0\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The compendium for QRPacificon is finished, 54 pages of absolutely marvelous QRP information. Late last night I got the last 3 articles, by James Bennett, KD5DVS, George Heron, N2APB, and Joe Everhart, N2CX. The attendees this year are in for a treat. All 5 presentations are winners, everyone is certainly worth the price of admission, and there is a broad range of subjects.

James Bennett's talk is about Portable Antenna systems and how to design them. He uses software, physics and practical experience as he takes us through the design process. His antenna example is the Pac-12, and when you hear and see the effort that went into this design you will quickly realize that it works because James did his homework. You will be able to take his information and apply it to your own situation, which is what this is all about.

Joe Everhart and George Heron will be doing a "tag team" presentation. George will speak on the NJ QRP Clubs daughter card and how to use it. They use the Micro908 platform. The Micro908 is a flexible control and computing platform for antenna measurement and analysis, modem for the ditital modes, audio filtering, memory keyer, signal source and VFO, and many other functions for amateur radio!! Wow what a mouthful. About the only thing it doesn't do is whistle Dixie, and I hear that Joe is working on that one.

Then Joe and George spend the 2nd hour of their presentation (don't worry, we will take a 10 minute break, grin) talking about the Micro908 Antenna

Analyser II. It is a low cost and portable microcontroller based instrument that automatically determines SWR and reactance characteristics of an HF antenna system. Advanced features of DDS frequency control, LCD tuning display, PC data collection and plotting, numerous operating modes and easy software upgradability make this design attractive for homebrewers and antenna enthusiasts.

This weekend is going to be full of fun, information, qrp vendors, and lots of neat people to see and meet. All of it is happening at QRPacificon. If you have not registered yet, you will need to do so at the door, where it will cost you \$10 for your QRPacificon kit and your copy of the compendium.

The weekend is sponsored by the American Qrp Club. We believe in providing quality QRP Forums in all areas of the US, and are working to help sponsor other QRP Forums. Next year we will be sponsoring Atlanticon, and providing help with Ozarkcon and Ft. Tuthill, plus another QRPacificon.

We have a formula that has worked for us for years. We invite the very best speakers that we can find, pay their expenses, and they come. We have a Friday and Saturday night activity and open house, but it is all low key, nothing at all formal about it. It is more of a party than anything else, and always the key is to have fun. The list of former Pacificon speakers is literally the very best that has ever spoken anywhere.

Roy Lewallyn, Chuck Adams, Wayne Burdick, Eric Swartz, Stan Goldstein, Monte Stark, Brian Kassel, Jim Cates, Doug Hendricks, Joe Everhart, Paul Harden, Jim Kortge, Dave Fifield, Dave Benson, George Dobbs, Dick Pascoe, Bob Tellefsen, Derry Spittle, Tony Fishpool, Graham Firth, Ed Manual, Dan Tayloe, George Heron, Bill Jones, Jim Duffey, Vern Wright, John Liebenrood, Ade Weiss, Wayne McFee, Randy Foltz, James Bennett and I am sure that I forgot to name a couple and for that I apologize, but when you look at that list, I think that you will have to agree that NorCal and now the American QRP Club has a successful formula.

Plus, this year we are bringing out a special guest, Steve Weber, Mr. Melt Solder to our party. He has designed literally dozens of projects and is right on the cutting edge of QRP design. It will be a treat to have him here.

See you Friday night at San Ramon at QRPacificon. 72, Doug

Date: Tue, 14 Oct 2003 10:45:19 -0800
From: Jim Larsen <JimLarsen2002@alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Cc: Frank Ilardi - AL7LV <ilardi@hotmail.com>

Subject: [159349] Re: Need to buy a 20 meter rig and quickly get it shipped to Tasmania.

AL7FS will pay.

Message-ID: <3F8C443F.7080901@alaska.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

Thanks to all who offered up a 20 meter rig....There were many generous offers including one from George Dobbs G3RJV for the NC20. I decided it will work best for Frank if I accept Steve's offer shown below. Thank you, Steve.

Jim,

I have an Emtech NW 20 meter rig that I would loan him until his return. Long term is no prob. I'd only want reimbursment if it were lost, stolen, etc. Advise.

73.....Steve Smith WB6TNL
Oxnard, CA USA
"Snort Rosin"

I hope we can get Dr Ilardi up and running soon.

73, Jim
Jim Larsen, AL7FS
Anchorage, Alaska
<http://www.qsl.net/al7fs>

Date: Tue, 14 Oct 2003 14:48:13 -0400
From: "Jason Hsu" <jhs001@heronetwork.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [159350] Re: Wanted: QRP Watt Meter
Message-ID: <009601c39283\$be2d0b60\$64923144@aolidsl.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There's also my QROP Meter. It works down to 200mW, requires no calibration from the user, and has op amps to compensate for the diode drop loss. You can also use it for QRO up to 100W. Go to <http://www.jasonhsu.com/ee.html> for details on how it works and how to build it.

Jason Hsu, AG4DG
personal@@@jasonhsu.com
<http://www.jasonhsu.com/ee.html>
<http://groups.yahoo.com/group/eeham>

Date: Tue, 14 Oct 2003 11:57:22 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [159351] Re: Thanks for help with StepIR vertical
Message-ID: <20031014185722.GB18961@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Tue, Oct 14, 2003 at 12:49:37AM -0500, Doc K0EVZ wrote:

> Gang:
>
> Wow, the response has been overwhelming and most useful. I had planned to
> thank everyone with a personal e-mail, but over a hundred responses have
> been received, and I lost out! Still have not quite decided what to do
> about a permanent antenna, but will do so in a few days. Dr. Megacycle
> lives just 10 miles west of my QTH. He has offered to help with the
> antenna design and installation. Wow!
>
> In the meantime, I have been using a 90' length of Radio Shack hookup wire.
> One end hooks directly into my LDG QRP tuner, while the other end sort of
> slopes up close to the top of a KANGA 33' fibre glass mast. I also use a
> couple of radials, one 66' and the other 17'. Gotta tell ya, this is a
> gangbuster antenna. Today I was working DX on 15 and busting pileups with
> my K2. Makes me really excited to think what it will be like with a
> better, more permanent antenna.
>
> Anyway, thanks again everyone for your time and assistance. Hope to run
> into you on the air sometime soon.

Sounds like you have received some good advice, Doc. Beware of those
"temporary" antennas. When I moved here I put up as much wire as I
could fit about 5 feet above the roof of my house (two chimney-mount
masts and a stick at the end of the garage (L-shaped, 25 feet on one
leg, 75 on the other, fed at the corner with RG8X) and worked over 100
countries QRP in a year's time. I took it down after I put up a
Hy-Gain AV-640 vertical, which has a better match on 40-10, but doesn't
really get out any better (although I have worked several states on 160
with it).

73, Bob N7XY

--

Bob Nielsen, N7XY
Bainbridge Island, WA

n7xy (at) n7xy.net
<http://www.n7xy.net>

Date: Tue, 14 Oct 2003 12:03:05 -0700
From: Mark Schoonover <schoon@amgt.com>
To: "'pwilcox6042@wideopenwest.com'" <pwilcox6042@wideopenwest.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [159352] RE: Help Identify a W6AAQ "thing"
Message-ID: <BF889CEBEFD2D511B993009027F60ABE4F72DE@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Sounds like the matching network to his DK2... IIRC...

72

.mark

>-----Original Message-----

>From: philip wilcox [mailto:pwilcox6042@wideopenwest.com]

>Sent: Tuesday, October 14, 2003 9:38 AM

>To: Low Power Amateur Radio Discussion

>Subject: Re: Help Identify a W6AAQ "thing"

>

>

>I would suggest that you contact Don Johnson directly.

>

>I met him two summers ago and he is a Super person.

>

>If it is something he built you have a real keeper there.

>

>Phil

>

>73, From Totus Porcus Columbus, Ohio EN801a

>WB8ABE FP #61 MP - 12 MP + # - 12 QRP ARCI 11082

>DIREKT VOM SCHREIBTISCH DES FLIEGENDEN SCHWEINS

>----- Original Message -----

>From: <jdolson@iserv.net>

>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

>Sent: Tuesday, October 14, 2003 11:17 AM

>Subject: Help Identify a W6AAQ "thing"

>
>
>> My dad (W8CWD/K8DDV) bought something at a swap that he
>though looks qrp,
>> but I can't tell what the heck it is.
>>
>> 1. The circuit board is round, about 4" in diameter.
>> 1b. It is mounted in a round tupperware container.
>> 2. The board is nicely labeled with component locations.
>> 3. The board has the callsign W6AAQ on it (Don Johnson of screwdriver
>fame).
>> 3b. The center of the board is labeled "A&A #192"
>> 4. There are two rather large relays.
>> 5. There are three tuning caps (ceramic base, about
>1"x1"x1/3"). One is
>> labeled "75", one "40", and one "20".
>> 6. There is one coax connector.
>> 7. The only other "port" is what looks like a female
>microphone connector
>> whose wires go to 8 different spots on the board.
>>
>> I originally thought that it had something to do with his screwdriver
>> antennas, but there is only one coax connector on the thing.
>>
>> Any ideas?
>>
>> Thanks!
>>
>> Jim Dolson
>> wb8zbd
>>
>>
>
>

End of QRP-L Digest 3073

